

Wheat Disease of concern to yields

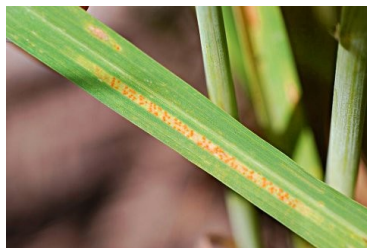
Special points of interest:

- *Stripe rust has knocked some yield off but recent warmer temperatures are helping.*

Stripe rust is the disease of the season so far. This “cool” weather rust is being reported statewide. On some cultivars, the level is very high on the flag leaf (R. Snell, KSU extension) taking much of the leaf tissue away from the plant. Some central Kansas fields have ground that is rusty colored from the spores washed off the plant from recent rains. That is high levels!

The good news is that the recent warm temperatures of high 80’s and 90’s (according to the text book) have stopped stripe rust currently.

Fig. 1. **Stripe Rust**



Northern fields that are just heading may find stripe rust development to be of concern for fungicide treatment. Those applications may still be warranted.

Other diseases continue to be found but are somewhat spotty. I was recently visiting southwest Kansas and observed significant wheat streak mosaic in several fields around Meade and Liberal. Incidences were 5-50 per cent.

Cephalosporium stripe is active

around Hutchinson and Pratt. Several fields were observed with trace to 1 per cent incidence. Symptoms are linear striping the length of the leaf back into the sheath. This yellow stripe may turn necrotic or dead brown tissue.

Fig. 2. **Cephalosporium stripe below. Note yellow striping.**



Hosta virus X in retail outlets

Hosta virus X recently was reported in major box and grocery retailers. The plants appear to have originated from a nursery in Oklahoma. Plant testing is being conducted and lots with positive results are being destroyed.

duction and retail centers have been downy mildew on hybrid rose and Phytophthora root rot on spirea.

Other disease problems in pro-

PLANT PROTECTION AND WEED CONTROL
PROGRAM

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INVASIVE SPECIES

Plant Protection and Weed Control Program

Plant Protection and Weed Control staff work to ensure the health of the state's native and cultivated plants by excluding or controlling destructive pests, diseases and weeds. Staff examine and analyze pest conditions in crop fields, rangelands, greenhouses and nurseries. Action taken to control potential infestations of new pests, whether they are insects, plants diseases or weeds, is beneficial to the economy and the environment.

Our Mission is to:

- Exclude or control harmful insects, plant diseases, and weeds;
- Ensure Kansas plants and plant products entering commerce are free from quarantine pests;
- Provide customers with inspection and certification services.

The Plant Disease Survey in Kansas has been conducted since 1976. The survey addresses disease situations in field crops, native ecosystems, and horticultural trade. The Kansas Department of Agriculture works cooperatively with Kansas State University and Extension programs, United States Department of Agriculture, and various commodity groups.